

# Introducing... Probability



## Vocabulary

Outcome – possible result of an experiment

Event – collection of outcomes

Favorable outcomes – outcomes we want

Probability – the likelihood of a favorable outcome

Probability (P) =  $\frac{\text{number of favorable outcomes}}{\text{number of possible outcomes}}$

## EXAMPLES:

### Finding probability:

You roll a number cube (die). Find the probability of rolling a 4.

$P(4) = \frac{\text{favorable outcomes}}{\text{possible outcomes}}$        $P(4) = \underline{\hspace{2cm}}$

Find the probability of rolling an even number.